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United States Department of Agriculture MONTHLY LIST OF PUBLICATIONS

AUGUST, 1929

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GENERAL PUBLICATIONS

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

The loco-weed disease. By C. Dwight Marsh and A. B. Clawson, Bureau of Animal Industry, and W. W. Eggleston, Bureau of Plant Industry. Pp. 26, figs. 19. (Farmers' Bulletin 1054 F., Revised.) Price, 5¢.

Describes and illustrates the loco weed and various related plants, and gives symptoms of loco poisoning, with recommendations for treating locoed animals and for destroying the weeds.

Important cultivated grasses. By C. V. Piper, Bureau of Plant Industry. Pp. 39, figs. 26. (Farmers' Bulletin 1254 F., Revised.) Price, 5¢.

Discusses the history and regions of adaptation, and gives botanical descriptions for 21 important cultivated grasses. The weight, number of seed per pound, and rate of seeding are also included.

Making cellars dry. By George M. Warren, Bureau of Public Roads. Pp. 29, figs. 19. (Farmers' Bulletin 1572 F.) Price, 5¢.

Contains information concerning the location and construction of water-tight cellars and the best waterproofing and damp-proofing methods. Good materials and thorough workmanship are emphasized.

Oats in the North-Central States. By T. R. Stanton and F. A. Coffman, Bureau of Plant Industry. Pp. 28, figs. 20. (Farmers' Bulletin 1581 F.) Price, 5¢.

Gives up-to-date information on oat culture and varieties, and on chemical seed treatments to prevent smuts. Maps show the distribution of 1919 acreage of the seven leading varieties.

Preparation of bunched beets, carrots, and turnips for market. By William E. Lewis, Bureau of Agricultural Economics. Pp. 22, figs. 19. (Farmers' Bulletin 1594 F.) Price, 5¢.

• Describes methods of harvesting, grading, packing, loading, and refrigerating bunched beets, carrots, and turnips practiced by successful shippers. Of interest to growers, packers, jobbers, and retailers.

The production of Johnson grass for hay and pasturage. By H. N. Vinall, Bureau of Plant Industry, and M. A. Crosby, Bureau of Agricultural Economics. Pp. 26, figs. 8. (Farmers' Bulletin 1597 F.) Price, 5¢.

Discusses the origin and distribution of Johnson grass, with recommendations covering the various steps in the production of hay from it.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins, except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Termites in buildings. By Thos. E. Snyder, Bureau of Entomology. Pp. 5, figs. 2. (Leaflet 31 L.) Price, 5¢.

Tells how to find out the presence of termites, how to build so they can't get in, and how to get them out and keep them out if they are already in.

Wild garlic and its control. By M. W. Talbot, Bureau of Plant Industry. Pp. 5, fig. 1. (Leaflet 43 L.) Price, 5¢.

Describes the plant and the cultural method of killing it on cultivated land, gives directions for its chemical eradication, and tells how to eliminate the garlic flavor in milk.

Farm grain storage. By E. G. Boerner, Bureau of Agricultural Economics, M. C. Betts and T. A. H. Miller, Bureau of Public Roads. Pp. 8, figs. 9. (Leaflet 46 L.) Price, 5¢.

Sets forth the many advantages derived from farm grain storage and suggests storages of different capacities and construction, with illustrations.

Cotton-louse control. By B. R. Coad, J. W. Folsom, and R. C. Gaines, Bureau of Entomology. Pp. 4, fig. 1. (Leaflet 53 L.) Price, 5¢.

Intended primarily for the use of cotton planters who wish to control the cotton louse. The leaflet tells what insecticide to use, how to prepare it, and how to use it.

DEPARTMENT BULLETINS

The Department Bulletins are technical or scientific in nature and apply to a special crop, industry, or locality. This series ends with No. 1500, and is succeeded by the Technical Bulletin series. The editions are limited.

The gluing of wood. By T. R. Truax, Forest Service. Pp. 78, figs. 18. (Department Bulletin 1500 D.) Price, 25¢.

Brings together essential information about glues and gluing, sets forth important principles of control in the gluing operation, and outlines methods that have been found to give satisfactory results.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

Tobacco cutworms. By S. E. Crumb, Bureau of Entomology. Pp. 180, figs. 19, pls. 9. (Technical Bulletin 88 T.) Price, 35¢.

Describes the cutworms at the various stages of their existence, records observations made on five important groups, and discusses natural and artificial methods of control.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Varietal standardization of sorgo and the selection of seed. By H. B. Cowgill, Bureau of Plant Industry. Pp. 23, figs. 16. (Circular 52 C.) Price, 10¢.

Intended primarily for growers of sorgo for sirup-making purposes and for seedsmen who handle sorgo seed to encourage uniformity in trade practice with reference to the nomenclature of sorgo varieties.

Cyanamid, its uses as a fertilizer material. By F. E. Allison, Bureau of Chemistry and Soils. Pp. 12, figs. 8. (Circular 64 C.) Price, 5¢.

Explains the manufacture of cyanamid, describes its properties and uses, both alone and in mixed fertilizers, and compares fertilizer practices in Europe with those of the United States.

Azaleas and rhododendrons from seed. By B. Y. Morrison, Bureau of Plant Industry. Pp. 8, figs. 3. (Circular 68 C.) Price, 5¢.

Intended to provide simple directions for both amateur gardeners and nurserymen who might wish to raise azaleas and rhododendrons from seed, without the use of a heated greenhouse.

Heat and time of exposure necessary to kill larvae of the European corn borer in ear corn. By George W. Barber, Bureau of Entomology. Pp. 14, figs. 4. (Circular 71 C.) Price, 5¢.

Discusses heating apparatus used, factors influencing the results of the heating tests, and the effect of heating on the germination of the kernels and subsequent growth of the plant.

Financial settlements of defaulting irrigation enterprises. By Wells A. Hutchins, Bureau of Public Roads. Pp. 46. (Circular 72 C.) Price, 10¢.

Discusses the character of settlements that have been affected and presents in detail a number of typical settlements that have been made or that are now in process of adjustment.

Chemical injury to watermelons in transit. By W. W. Gilbert, Bureau of Plant Industry, and F. C. Meier, Office of Cooperative Extension Work. Pp. 10, figs. 8. (Circular 74 C.) Price, 5¢.

An investigation of reports received from various railroad companies and shippers. Of interest in the Middle Atlantic, Southern, Middle Western States, and Iowa, Kansas, Colorado, and California.

The true cricket—A serious cotton pest in California. By E. A. McGregor, Bureau of Entomology. Pp. 8. (Circular 75 C.) Price, 5¢.

Primarily for cotton farmers in California. The discussion covers the life history, habits, and damage caused by the insect, together with suggestions for control.

Farmers' cooperative associations in the United States, 1929. By Chris L. Christensen, Bureau of Agricultural Economics. Pp. 66, figs. 8. (Circular 94 C.) Price, 15¢.

Discusses in detail the cooperative marketing of various agricultural products. The associations marketing the latter are mentioned with a brief outline of their history and organization.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

The strength of North American woods. By H. S. Betts, Forest Service. Pp. 18. (Miscellaneous Publication 46 M.) Price, 5¢.

Shows in tabular form the various properties, including weight, shrinkage, bending and compression strength, stiffness, hardness, shock resisting ability, etc., of 129 different woods grown in the U. S.

The livestock review for 1928. By H. M. Conway, Bureau of Agricultural Economics. Pp. 36, figs. 7. (Miscellaneous Publication 54 M.) Price, 10¢.

Gives, in addition to a general summary, detailed information concerning market supplies, prices, demand, and outlook for each branch of the livestock industry.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry. B. A. I. S. R. A. No. 266, June. Pp. 53-60. August, 1929. B. A. I. S. R. A. No. 267, July. Pp. 61-68. August, 1929.

Notices of Judgment under the food and drugs act. Compiled by the Food, Drug, and Insecticide Administration. Pp. 107-119. August, 1929. (N. J., F. D. 16176-16200.)

Notices of Judgment under the insecticide act. Compiled by the Food, Drug, and Insecticide Administration. Pp. 43-53. August, 1929. (N. J., I. F. 1151-1165.)

Modification of nursery stock, plant, and seed quarantine regulations. Amendment No. 1 of revised rules and regulations supplemental to Notice of Quarantine No. 37. P. 1. August 1, 1929. (Plant Quarantine and Control Administration, Quarantine No. 37.)

Intended primarily for plant importers. Investigation has shown that satisfactory stocks of the fruits specified can be produced in this country.

Notice of permit requirement for entry of chestnuts and acorns from foreign countries. Compiled by Plant Quarantine and Control Administration. P. 1. August, 1929. (Service and Regulatory Announcement, Plant Quarantine and Control Administration.)

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey; and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists.

Soil Survey of Monroe County, Wisconsin. By W. J. Geib, A. C. Anderson, M. J. Edwards, and E. H. Bailey, U. S. Department of Agriculture; and Homer Chapman, Robert Bartholomew, and O. L. Stockstad, Wisconsin Geological and Natural History Survey. Pp. 1315-1373, fig. 1, map. Series, 1923, No. 40. 1929. Price, 25¢.

Soil survey of Muskegon County, Michigan. By L. C. Wheething and A. E. Matthews, Michigan Agricultural Experiment Station. Pp. 25, fig. 1, map. Series 1924, No. 22. 1929. Price, 15¢.

Soil survey of Pierce County, Wisconsin. By W. J. Geib, in charge, M. J. Edwards and E. H. Templin, U. S. Department of Agriculture, and H. R. Lathrop, Wisconsin Geological and Natural History Survey. Pp. 1471-1504, fig. 1, map. Series, 1923, No. 43. 1929. Price, 20¢.

Soil survey of Summers County, West Virginia. By J. A. Kerr. Pp. 31, fig. 1, map. Series, 1924, No. 21. 1929. Price, 15¢.

PERIODICALS

AGRICULTURAL SITUATION. Vol. 13, No. 8, Pp. 24. August 1, 1929. Price 5¢.

This 24-page publication issued monthly by the Bureau of Agricultural Economics contains a brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products. *Free distribution* is limited to department employees, State college workers, cooperators, libraries, and the press. The subscription price is 25¢ a year, domestic; 40¢ a year, foreign; payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



CLIP SHEET. Nos. 579-587. August 4, 11, 18, 25, 1929.

The Clip Sheet is made up of short interesting stories concerning the department and the application of new ideas and discoveries in the field of agriculture and is issued weekly. It is distributed free to newspapers and other interested publications and to writers. There is no subscription list.

CROPS AND MARKETS. Vol. 6, No. 7. July, 1929.

Statistics concerning crops and livestock estimates and market information are contained in this monthly publication. It contains reports on supplies, stocks, commercial movement, condition and prices of agricultural products covered in the work of marketing and crop estimating, and studies of prices and demand both foreign and domestic. Free distribution is restricted to those who collaborate with the department. The subscription price is 60¢ a year, domestic; 85¢ a year, foreign; payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

DAILY WEATHER MAPS.

Edition 1 contains forecasts for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, and Michigan. Editions issued at Washington, D. C., are 25¢ a month, \$2.50 a year. Edition 2 contains forecasts for the entire United States. The subscription price is 30¢ a month, \$3 a year. Neither edition furnished in quantities unless the order is placed with the Superintendent of Documents in advance of issue. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2 a year; payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

EXPERIMENT STATION RECORD. Vol. 61, No. 1. July, 1929. Price 10¢.

The Experiment Station Record is a technical review of the world's scientific literature pertaining to agriculture, each volume containing about 3,500 abstracts of current research. Free distribution is restricted mainly to workers in agricultural colleges and experiment stations and similar institutions, libraries, and exchanges. It is issued in two volumes a year, of 10 numbers each. The subscription price is 75¢ a volume, domestic; \$1.25 a volume, foreign; payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

FOREST WORKER. Vol. 5, No. 4. July, 1929.

The Forest Worker contains news of State forestry, forestry education and extension, private forestry, and the work of the Forest Service. Distribution is free to certain Government officials and forestry organizations. The subscription price is 25¢ a year, domestic; 35¢ a year, foreign, payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

JOURNAL OF AGRICULTURAL RESEARCH. Vol. 39, No. 3. August 1, 1929. 20¢.

CONTENTS: A study of decay in citrus fruits produced by inoculations with known mixtures of fungi at different constant temperatures.—(Calif.-51). Giulio Savastano and Howard S. Fawcett.
Cotton root-rot investigations in Arizona.—(G-678). C. J. King and H. F. Loomis.
Grain losses in feeding corn silage to dairy cows.—(Okla.-14). R. B. Becker and Willis D. Gallup.

—Vol. 39, No. 4. August 15, 1929. 20¢.

CONTENTS: Influence of atmospheric and soil moisture upon seed setting in red clover.—(G-665). E. A. Hollowell.

Aerial crown gall of the apple.—(G-685). E. A. Siegler and R. B. Piper.

Some factors involved in the winterkilling of alfalfa.—(G-686). J. L. Weimer.

Relation of temperature of fermentation to quality of sauerkraut.—(Wis.-46). E. A. Marten, W. H. Peterson, E. B. Fred, and W. E. Vaughn.

Comparative value of the size of *Phytophthora sporangia* obtained under standard conditions.—(W. Va.-6). Leon H. Leonian and Herbert L. Geer.

The Journal of Agricultural Research is of primary interest to agricultural scientists and advanced students only. Free distribution is limited to certain libraries and to institutions or departments doing research work. The Superintendent of Documents will receive subscriptions for this publication; \$4 a year, domestic; \$5.25 a year, foreign. It is issued in 2 volumes a year, of 12 numbers each. Each article in the Journal is reprinted as a "separate." The number of reprints or separates is limited. They are distributed free to those desiring them as long as the supply lasts.

MONTHLY WEATHER REVIEW. Vol. 56, 1928, Index. Pp. xi. Price, 5¢.

This publication contains (1) meteorological contributions and bibliography, (2) an interpretative summary and charts of the weather of the month in the United States, and on adjacent oceans, and (3) climatological tables dealing with the weather of the month. The subscription price is \$1.50 a year, domestic; \$2.25 a year, foreign; payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

PUBLIC ROADS. Vol. 10, No. 5. Pp. 85-100. July, 1929. Price, 10¢.

The results of investigations relating to the physical and economic problems of road building conducted by the Bureau of Public Roads and contributors outside the bureau are made available to road builders through this medium. Free distribution is restricted to State and county officials actually engaged in planning or constructing public highways, instructors in highway engineering, and periodicals upon an exchange basis. The subscription price is \$1 a year, domestic; \$1.50 a year, foreign; payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

THE OFFICIAL RECORD. Vol. 8, Nos. 31-35. August 1, 8, 15, 22, 29, 1929.

This 8-page weekly publication contains official orders and miscellaneous information concerning the activities of the department, and such other matter as should be brought to the attention of employees and others who have to do with the department's work. The free list is confined to departmental employees, official cooperators, and the press. It may be purchased from the Superintendent of Documents, Government Printing Office, for 50¢ a year.

WEATHER OUTLOOK.

A weekly outlook for the various zones, prepared at and distributed from the following forecast centers of the Weather Bureau: Washington, D. C., New Orleans, La., Chicago, Ill., Denver, Colo., and San Francisco, Calif. Limited edition. Not for general distribution.

WEEKLY WEATHER AND CROP BULLETIN.

This publication gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. In addition, it shows the variation of temperature and rainfall from a normal week, total rainfall for the season in comparison with normal, and discusses amount of sunshine and cloudiness. The price is 50¢ a year, payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.